ATLONA
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2X1 VGA W/ STEREO AUDIO (AUTOMATIC) SWITCHER AT-APC21A

User Manual

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USA ★★★★★ SINCE 2003

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INTRODUCTION

Atlona Technologies' AT-APC21A is an automatic VGA Switcher with 2 inputs to 1 output with Stereo Audio. This unit features multiple switching capabilities including automatic selection of the active channel to eliminate the need of manual control. To switch over to another channel, simply turn on the other device or use external control button. A manual control button is also available to switch between desired channels. This automatic 2x1 VGA switcher supports 350MHz bandwidth with maximum VGA resolutions up to 2048x1536. This unit is the ideal solution for connecting two VGA devices for applications involving conference rooms, surveillance, video game consoles, etc.

FEATURES

- Switch between two VGA w/Audio sources to a single monitor and set of speakers
- No Software required
- Supports VGA, XGA, SVGA, SXGA, UXGA, WUXGA, Multi-sync, TFT-LCD monitor
- Supports stereo audio
- Auto detect monitor type and DDC2B signal for each port
- Supports 350MHz bandwidth with maximum VGA resolution 2048x1536
- Video enhancement to extend quality video up to 30 meters
- Auto switch to new connected VGA channel (Auto Detect & Select)
- Optional external control button for manual selection
- Dual color LED to indicate active channel status
- Power-free, electronic design to protect connected devices
- Magnetic pad for ease installation

PACKAGE CONTENTS

- Atlona AT-APC21A 2x1 Signal Sensing Automatic VGA Switcher w/Analog Audio
- Wired manual selector
- User Manual

SPECIFICATIONS

Model Name		2-Port VGA Audio Switch
VGA Cable (Suggested)		UL 2919 RGB 3+ 4VGA Cables
Channel Select Method		Auto Detection
Connector	Input	Two Sets of HDB-15 (Female) & 3.5 mm Jack
	Output	One Set of HDB-15 (Female) & 3.5 mm Jack
Signal Type		VGA, XGA, SVGA, UXGA, WUXGA, Multi-sync, TFT-LCD Monitor
Video Bandwidth		450 MHz
Maximum VGA Resolution		2048 x 1536
Maximum Distance		30 meters
Power Supply		Taken from VGA Signal or DC 5V power adapter
LED Display		Blue for Channel 1; Green for Channel 2
Casing		Metal
Dimension (L x W x H in mm)		113 x 62 x 29
Operating Temperature		0° C ~50° C
Storage Temperature		0° C ~60° C
Humidity		25%~70% Non-Condensing

PANEL DESCRIPTION

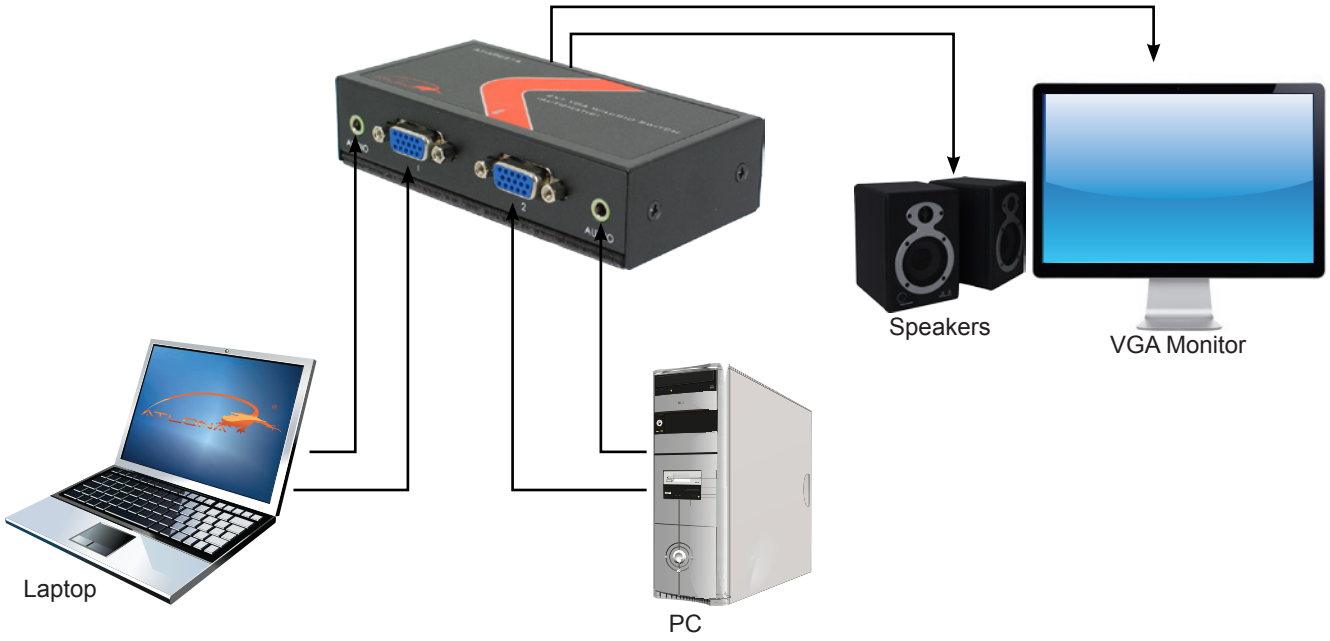
1. Front Panel

1. Channel Display Status: LED will Light up Blue for Channel 1 and Green for Channel 2
2. Channel 1 Audio Input
3. Channel 1 VGA Input
4. Channel 2 VGA Input
5. Channel 2 Audio Input

2. Rear Panel

1. Channel Display Status: LED will Light up Blue for Channel 1 and Green for Channel 2
2. Channel 1 Audio Input
3. Channel 1 VGA Input
4. Channel 2 VGA Input
5. Channel 2 Audio Input

CONNECTION AND INSTALLATION



1. Connect the desired VGA monitor and speaker to the output of the AT-APC21A and two VGA + Audio sources to the corresponding inputs of the AT-APC21A via VGA and audio cables.
2. The LED display on the switch panel will turn on when the switch detects a VGA signal (Blue: Channel 1, Green: Channel 2) The External control button is available for manual switching.
3. Please use standard high quality VGA cable to ensure best image quality.
4. Select methods:

   A. External control button: Push this button to switch to desired channels. The button will be inactive if only one channel is activated.

   B. Auto switching: The switcher will automatically detect a new input signal and change to that signal. If one of the two sources is unplugged, the switch will automatically change to the available channel.

SAFETY INFORMATION

Safeguards

To reduce the risk of electric shock, do not expose this product to rain or moisture

Do not modify the wall plug. Doing so will void the warranty and safety features.

If the wall plug does not fit into your local power socket, hire an electrician to replace your obsolete socket.

This equipment should be installed near the socket outlet and the device should be easily accessible in the case it requires disconnection.

Precautions

FCC regulations state that any unauthorized changes or modifications to this equipment, not expressly approved by the manufacturer, could void the user's authority to operate this equipment.

Operate this product using only the included external power supply. Use of other power supplies could impair performance, damage the product, or cause fires.

In the event of an electrostatic discharge this device may automatically turn off. If this occurs, unplug the device and plug it back in.

Protect and route power cords so they will not be stepped on or pinched by anything placed on or against them. Be especially careful of plug-ins or cord exit points from this product.

Avoid excessive humidity, sudden temperature changes or temperature extremes.

Keep this product away from wet locations such as bathtubs, sinks, laundries, wet basements, fish tanks, and swimming pools.

Use only accessories recommended by Atlona to avoid fire, shock, or other hazards.

Unplug the product before cleaning. Use a damp cloth for cleaning and not cleaning fluid or aerosols.

Such products could enter the unit and cause damage, fire, or electric shock. Some substances may also mar the finish of the product.

Never open, remove unit panels, or make any adjustments not described in this manual. Attempting to do so could expose you to dangerous electrical shock or other hazards. It may also cause damage to your AT-APC21A. Opening the product will void the warranty.

Do not attempt to service the unit. Disconnect the product and contact your authorized Atlona reseller or contact Atlona directly.

WARRANTY

Limited Warranty

Atlona Technologies warrants that (a) its products (the AT-APC21A) will perform substantially in accordance with the accompanying written materials for a period of 3 years from the date of receipt and (b) that the product will be free from defects in materials and workmanship under normal use and service for a period of 3 years. In the event applicable law imposes any implied warranties, the implied warranty period is limited to 3 years from the date of receipt. Some jurisdictions do not allow such limitations on duration of an implied warranty, so the above limitation may not apply to customers that fall within those areas.

Customer Remedies

Atlona Technologies' and its suppliers' entire liability and Customer's exclusive remedy shall be, at Atlona Technologies' decision, either return of the price paid for the product, repair, or replacement of the product that does not meet this Limited Warranty and which is returned to Atlona Technologies with a copy of the Customer's receipt. This Limited Warranty is void if failure of the product has resulted from accident, abuse, misapplication, or natural occurrence. In example but not limited to: power surges (electrical storms, local power outage), dropping the product (or items on the product), contact with fluids, and physical misconduct (i.e. kicking or punching). Any replacement product will be warranted for the remainder of the original warranty period.

No other warranties

To the maximum extent permitted by applicable law, Atlona Technologies and its suppliers disclaim all other warranties, either expressed or implied, including, but not limited to, implied warranties of merchantability and fitness for a particular purpose, with regard to the product and any related written materials. This Limited Warranty gives customer specific legal rights. Customers may have other rights depending on the jurisdiction.

No liability for damages

To the maximum extent permitted by applicable law, in no event shall Atlona Technologies or its suppliers be liable for any damages arising out of the use of or inability to use this product, even if Atlona Technologies has been advised of the possibility of such damages. Such damages include but are not limited to: special, incidental, consequential, or indirect damages for personal injury, loss of business profits, business interruption, loss of business information, or any other pecuniary loss.

Atlona Technologies' and its suppliers' entire liability under any provision of this agreement shall be limited to the amount actually paid by you for the product. Some Jurisdictions do not allow the exclusion or limitation of liability for consequential or incidental damage. The above limitations may not apply to you in such jurisdictional cases.

ATLONA PRODUCT REGISTRATION

Thank you for purchasing this Atlona product. - We hope you enjoy it and will take an extra few moments to register your new purchase.

Registration creates an ownership record if your product is lost or stolen and helps ensure you'll receive notification of performance issues and firmware updates.

At Atlona, we respect and protect your privacy, assuring you that your registration information is completely secure. Atlona product registration is completely voluntary and failure to register will not diminish your limited warranty rights.

To register go to: ***http://www.atlona.com/registration***